BACKGROUND
In recent years there has been a tremendous interest in fuel cell research and development owing to its potential as an efficient system for transforming chemical energy of hydrogen rich compounds to electrical energy for a wide range of applications. This short term course aims to acquaint the participants to the present status of the rapidly developing field of fuel cell science and technology. This conference will bring together researchers and technologists to introduce the fundamentals, discuss the current research trends, highlight new developments and propose research priorities. It is also proposed to provide hands-on training with special focus on electrode development, fuel cell assembly, processes, parameters and their applications. Participants from different disciplines such as Chemical Engineering, Biosciences and Bioengineering, Chemistry, Mechanical Engineering, Metallurgy & Materials Science, EEE, Instrumentation & Control Engineering, working in the area of renewable & sustainable energy systems will be benefited from this short term course.

COURSE CONTENTS
The following major topics were covered in the STC
- Electro-Analytical Techniques in Fuel Cell Research and Development
- Enzymatic Fuel Cell
- Microbial Fuel Cell
- Polymer Electrolyte Membrane Fuel Cell
- Solid Oxide Fuel Cell
- Fuel cell systems and applications
- Flow field designs for fuel cells
- Fundamentals of Gas Diffusion Layers in PEM Fuel Cells
- Materials for fuel cells
- Challenges and Future Directions of Fuel Cell Science and Technology

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KIC-TEQIP
Short-Term Course
On
Recent Trends in Fuel Cell Technology

28th – 29th December 2015

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